

LaserJet III Printer User's Quick Reference Guide

Edition 1
E09/91
Printed in USA



What This Guide Contains

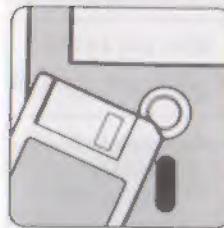
This Quick Reference guide contains summaries of information for experienced *LaserJet III* users. Use it to look up the tasks and procedures you perform frequently. In it, you'll find:

- A table of commonly used printer commands
 - Information on accessing the internal scalable typefaces and bitmapped fonts from the control panel
 - Tips for using Lotus 1-2-3
 - Tips for using WordPerfect 5.0
 - Information on preventing printer problems
 - Information on correcting common printer problems
 - Information on ordering supplies
- See the *LaserJet III Printer User's Manual* for detailed information on using the *LaserJet III*. If you have not connected your printer to your computer, see *Your Guide to Setting Up Your LaserJet III Printer*.

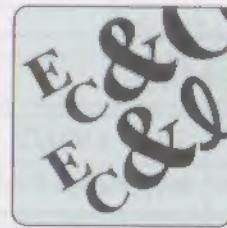
Controlling Your Printer

The easiest way to control your printer is through a software application, such as a word processor. If your software does not contain drivers that let you control the *LaserJet III*, you may be able to place printer commands directly in your file. If necessary, you can use the control panel to control the printer.

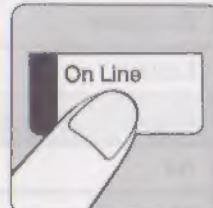
Software



Printer Commands



Control Panel



Formatting a Page

Most software allows you to format a page using the commands or menus of the software. If your software does not include page-format commands or menus, use the printer commands listed in the following tables. (Note that the character `l` denotes the lower-case letter "l", and `0` denotes the number "zero".)

You can print across the top or bottom page width (portrait and reverse portrait orientation) or across the page length along either side (landscape and reverse landscape orientation). You can also change print direction in 90° increments from the current page orientation.

Name	Options	Printer Command
Orientation	Portrait	<code>^c&l00</code>
	Landscape	<code>^c&l10</code>
	Reverse Portrait	<code>^c&l20</code>
	Reverse Landscape	<code>^c&l30</code>
Print Direction	0° (default)	<code>^c&a0P</code>
	90°	<code>^c&a90P</code>
	180°	<code>^c&a180P</code>
	270°	<code>^c&a270P</code>

The page-size commands allow you to select different sizes of print media.

Name	Size	Printer Command
Executive	7-1/4" x 10-1/2"	<code>^c&l1A</code>
Letter	8-1/2" x 11"	<code>^c&l2A</code>
Legal	8-1/2" x 14"	<code>^c&l3A</code>
A4	210 mm x 297 mm	<code>^c&l26A</code>
Monarch	3-7/8" x 7-1/2"	<code>^c&l80A</code>
Commercial 10	4-1/8" x 9-1/2"	<code>^c&l81A</code>
International DL	110 mm x 220 mm	<code>^c&l90A</code>
International C5	162 mm x 229 mm	<code>^c&l91A</code>

You can change the margins and text length using the page-format commands.

Name	Options	Printer Command
Top Margin	# of lines	<code>^c&l#E</code>
Left Margin	Column #	<code>^c&a#L</code>
Right Margin	Column #	<code>^c&a#M</code>
Clear Margins		<code>^c9</code>
Text Length	# of lines	<code>^c&l#F</code>

You can set the line spacing, or number of lines per inch, to any of the following values.

Line Spacing	Printer Command
1 line per inch	<code>^c&l1D</code>
2 lines per inch	<code>^c&l2D</code>
3 lines per inch	<code>^c&l3D</code>
4 lines per inch	<code>^c&l4D</code>
6 lines per inch	<code>^c&l6D</code>
8 lines per inch	<code>^c&l8D</code>
12 lines per inch	<code>^c&l12D</code>
16 lines per inch	<code>^c&l16D</code>
24 lines per inch	<code>^c&l24D</code>
48 lines per inch	<code>^c&l48D</code>

You can use these paper-handling commands.

Name	Printer Command
Eject Page	<code>^c&l0H</code>
Feed From Tray	<code>^c&l1H</code>
Manual Feed	<code>^c&l2H</code>
Manual Envelope Feed	<code>^c&l3H</code>
Reset	<code>^cE</code>

Understanding Type

The *LaserJet III* uses type from three sources:

- Internal – Scalable typefaces and a collection of bitmapped fonts are already resident in your printer.
- Cartridges – Scalable typefaces and bitmapped font collections are available on insertable cartridges.
- Soft fonts – Scalable typefaces and bitmapped fonts are available on floppy disks. Your computer can process and transfer these to your printer's memory and use them in the same way as cartridge or internal fonts.

The *LaserJet III* selects fonts in the following order:

First:	Selects fonts assigned by your software or a printer command.
Second:	Selects fonts assigned by the control panel.
Third:	Selects a default font in an installed font cartridge. (The left slot has priority over the right slot.)
Fourth:	Selects the factory default font (Courier, 12 point, portrait).

Tips: Using Your Printer With Lotus 1-2-3

When you use Lotus 1-2-3 to print spreadsheets on your *LaserJet III*, you have to use setup strings to control the typeface, page size, and character pitch. To prepare Lotus for the setup string, type /PPOS from your spreadsheet. Some common setup strings, and their results in characters per inch (cpi), are:

Portrait

Letter-size paper, 60 lines per page:

\027(s@p10H	10 cpi
\027(s@p12H	12 cpi
\027(s@p16.66H	16.66 cpi

Letter-size paper, 66 lines per page:

\027.27C\027(s@p10H	10 cpi
\027.27C\027(s@p12H	12 cpi
\027.27C\027(s@p16.66H	16.66 cpi

Letter-size paper, 80 lines per page:

\027D\027(s@p10H	10 cpi
\027D\027(s@p12H	12 cpi
\027D\027(s@p16.66H	16.66 cpi

Landscape

Letter-size paper, 45 lines per page:

\027
\027(s@p10H	10 cpi
\027
\027(s@p12H	12 cpi
\027
\027(s@p16.66H	16.66 cpi

Letter-size paper, 66 lines per page:

\027i.45C\027(s@p10H	10 cpi
\027i.45C\027(s@p12H	12 cpi
\027i.45C\027(s@p16.66H	16.66 cpi

Note that the above setup strings print in the default font unless a previous setup string specifies another font.

Lotus 1-2-3 does not support proportional fonts, such as CG Times and Univers. If you try to print using a proportional font, the columns in your spreadsheet will be misaligned. For more information on using Lotus 1-2-3, see the *Software Application Notes*.

Selecting a Font Using the Control Panel

1. Make sure the printer is off-line.
2. Press  to print a list of available fonts.
3. Find the source and number of the font you want from the printout.
4. Press  to enter the Printing Menu, and press  again to display FONT SOURCE. Select the font source you want.
5. Press  again to display FONT NUMBER in the display window. Select the font number you want. If you selected one of the *LaserJet III* internal scalable typefaces or a scalable typeface from a cartridge:
 - a. Press  to display PT. SIZE or PITCH.
 - b. Press  or  to change the point size or pitch as desired.
6. Press  to save your selection.

NOTE

Temporary fonts are not accessible from the control panel and are deleted during the Print Fonts test.

Tips: Using Your Printer With WordPerfect 5.0

Here are some common WordPerfect operations that control your *LaserJet III*.

Selecting Fonts

1. Position the cursor at the place in the file where you want to change typefaces.
2. Press **Font (Ctrl-F8)** to display the Font menu.
3. Select **Base Font (4)** to display the list of available typefaces.
4. Highlight the typeface of your choice.
5. Press **Select (1)** to choose the typeface and return to your file. (If your choice is scalable, WordPerfect will ask you for a font size.)
6. Type the text to be printed in the new typeface.

Selecting Other Font Characteristics

1. Position the cursor at the place in the file where you want to change the font characteristic.
2. Press **Font (Ctrl-F8)** to display the Font menu.
3. Select **Size (1) or Appearance (2)**.
4. Select the characteristic of your choice, such as a different font size or a bold font.
5. Enter the text to be printed using the specified characteristic.
6. Press **Font (Ctrl-F8)** and select **Normal (3)** to turn off all attributes.

Printing Special Characters

1. Position the cursor at the place in the file where you want to print the special character.
2. Make sure the font you are using has the special character you want to print.
3. Press **Compose (Ctrl-V)**. The prompt key = appears at the bottom of the screen.
4. Enter the WordPerfect character map number (0 to 12), a comma, and the character number.
5. Press the Return key.

For more information on using WordPerfect 5.0, see the *Software Application Notes*.

Preventing Printer Problems

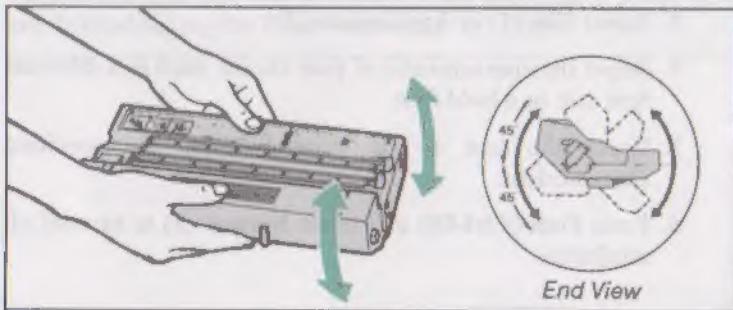
Your printer needs minimum maintenance. However, you should take care when selecting paper, and occasionally you need to remove and rock the EP-S (toner) cartridge to redistribute the toner. Regular cleaning will reduce service costs and ensure continued print quality and a long life for your LaserJet III printer.

Selecting Paper

For best results, use paper manufactured for photocopying, such as Canon NP or Xerox 4024. These papers generally provide good print quality and paper handling. See the Appendix D, "Paper and Print Media Specifications," in the *LaserJet III Printer User's Manual* for complete information on paper.

Rocking the EP-S (Toner) Cartridge

When the **16 TONER LOW** message appears in the display window, the EP-S (toner) cartridge is getting low on toner. White streaks may soon develop on your printed pages. You can extend the life of your cartridge by removing it and rocking it gently back and forth to redistribute the remaining toner. You can continue printing for a number of pages, but you will soon have to replace the cartridge.



Cleaning the Printer

If the print quality deteriorates and the **16 TONER LOW** message does not appear in the display window, you should clean your printer. If black streaks appear at the edges of your page, you should clean the primary corona wire inside the EP-S cartridge.

 **WARNING:** The fusing area gets hot. Do not touch it.

The procedure for cleaning your printer appears in Chapter 6, "Cleaning and Maintenance," of the *LaserJet III Printer User's Manual* and in the instructions that come with the EP-S cartridge.

See Chapter 7, "Troubleshooting," in your *LaserJet III Printer User's Manual* for complete troubleshooting procedures.

Responding to Printer Messages

If one of the following messages appears in the display window, perform the recommended action.

Message	Recommended Action
12 PRINTER OPEN	Close the cover firmly; make sure it is latched properly.
13 PAPER JAM	Open the cover and remove the jammed paper. You must open and close the printer cover before pressing CONTINUE RESET or ON LINE to resume.
14 NO EP CART	Insert an EP-S cartridge or make sure the cartridge is fully seated.
16 TONER LOW	Check the print quality. This message does not affect printer operation, but the print quality may deteriorate. See "Preventing Printer Problems" for more information.
PF FEED [paper size]	Feed the paper between the manual feed guides, or press CONTINUE RESET to feed automatically from the tray.
PE FEED [envelope size]	Feed an envelope between the manual feed guides, or press CONTINUE RESET to feed automatically from the tray.
PC LOAD [paper size]	Load the correct paper and the printer continues to print, or press CONTINUE RESET to use the paper currently installed.
EC LOAD [envelope size]	Load the correct envelope into the envelope tray. Insert the tray and press CONTINUE RESET .
FC [Left, Right, Both]	Reinsert the font cartridge(s) and press CONTINUE RESET .
FE Cartridge	Turn the printer off and back on.

See the *LaserJet III Printer User's Manual* for complete information on all printer messages. If you have a problem you cannot correct, first call the HP Dealer who sold you your printer. If you are still having problems, call the Hewlett-Packard Personal Peripherals Assist Line at 208-323-2551.

Ordering Supplies and Accessories

The following supplies and accessories are available for your *LaserJet III*.

Description	HP Part Number
1-MByte Memory Board	33474B
2-MByte Memory Board	33475B
EP-S Cartridge	92295A
Letter-Size Paper Tray 8-1/2" x 11"	92297B
Legal-Size Paper Tray 8-1/2" x 14"	92297C
A4-Size Paper Tray 210 mm x 297 mm	92297D
Executive-Size Paper Tray 7-1/4" x 10-1/2"	92297E
Adjustable Envelope Tray (maximum capacity 15)	92297F
Paper Tray Top Cover (fits all trays except legal)	92297R
Paper Tray Top Cover for Legal-Size trays	92297S
Overhead Transparencies, 50 sheets, 8-1/2" x 11"	92285J
Adhesive Labels, 100 sheets (30/page), 1" x 2-5/6"	92157K
Adhesive Labels, 100 sheets (21/page), 1-1/2" x 2-5/6"	92157N
Adhesive Labels, 100 sheets (10/page), 2" x 4-1/4"	92157P

Additional supplies and accessories, including cables, cartridge fonts, and soft fonts, are listed in the *Supplies and Accessories* brochure. You can order all supplies and accessories from your HP Dealer or by calling Hewlett-Packard:

1-800-538-8787 TOLL FREE

In California, call collect: 408-738-4133